

QUALITY PURCHASE REQUIREMENTS

The following Quality Purchase Requirements are imposed by clause number reference on the Sub-Contract or Purchase Order.

1. HIGHER LEVEL QUALITY SYSTEM REQUIREMENTS: Contractor shall maintain a Quality Management System in compliance with:

a. MIL-Q-9858A

c. ANSI/ASQC Q9002

b. ANSI/ASQC Q9001

d. ANSI/ASQC Q9003

The system shall be subject to review and approval at all times.

2. INSPECTION SYSTEM REQUIREMENTS: Contractor shall maintain an Inspection System in compliance with MIL-I-45208A, "Inspection System Requirements". The system shall be subject to review and approval at all times.

3. STANDARD INSPECTION REQUIREMENTS: The Contractor shall maintain an inspection system acceptable to the Buyer and shall tender for acceptance only supplies that have been inspected in accordance with the inspection system and have been found by the Contractor to be in conformity with all drawings, specifications and other purchase requirements. The Contractor shall prepare and maintain records evidencing all inspections made under the system and the outcome. The system shall be subject to review and approval at all times.

4. CALIBRATION SYSTEM REQUIREMENTS: Contractor's calibration system shall conform to the requirements of:

a. MIL-STD-45662A

b. ISO 10012-1

The system shall be subject to review and approval at all times.

5. SPECIAL PROCESS CONFORMANCE: The Contractor and any sub-tier Contractor engaged in special processes (Examples: soldering, cleaning, x-ray, welding, magnetic particle and penetrant inspection, heat-treating, plating, painting) shall have special process approval or approval of the Contractor's system to control these special processes and his sub-tier's special processes.

6. SOURCE INSPECTION: Source inspection shall be conducted at the Contractor's facility or where designated in this Purchase Order/Sub-Contract prior to shipment. The Contractor shall contact the Buyer prior to the start of fabrication so that mandatory inspection/test points can be agreed upon. Contractor shall be available, and present upon request documented evidence of inspection test performance including in-process and/or final test. Required documentation for shipment must be completed and signed by the Contractor's Authorized Quality Representative.

7. CUSTOMER WITNESS: A representative of the Buyer's customer may witness any required inspections or test without affecting the Buyer's exclusive right to give direction to the Contractor or to accept or reject any procedure, test data or article.

8. FIRST ARTICLE INSPECTION: The Contractor shall submit a First Article for inspection and/or test as applicable prior to the production of the balance of the order. All assemblies and components shall be manufactured using the same production equipment, procedures, and processes, which will be used in filling the contract. All inspection measurements and/or test data as applicable must be recorded on a document normally

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used by the Contractor, or the Buyer, to record inspection test results. Documentation for each First Article item shall include;

1. Inspection/Test Report(s), with actual dimensions or test results recorded.
2. Mill Reports/Certifications for all raw materials.
3. Heat Treat Certifications, as required.
4. Finish Certifications, as required.
5. A Certificate of Conformance referencing the Part Number, Revision, and Purchase Order Number.

The "First Article" documentation submitted shall have the Purchase Order/Sub-Contract number referenced thereon and must accompany the delivery of each First Article item to be delivered.

- a. A First article shall also be submitted whenever there is a lapse in production for a period in excess of 90 days or whenever a change occurs in manufacturing processes, material used, drawing or specification, which significantly affects the product as determined by the Buyer.

9. CUSTOMER ACCESS CLAUSE: During performance on this order, Contractor's quality system, inspection system and manufacturing processes are subject to review, verification and analysis by authorized customer representatives, upon request. Customer inspection prior to shipment is not required unless otherwise notified.

10. PURCHASING DOCUMENTS: On receipt of this order promptly furnish a copy to the Government representative who normally services Contractor's plant or, if none, to the nearest Army, Navy, Air Force, or Defense Supply Agency inspection office. In the event the representative or office cannot be located, Buyer's purchasing agent should be notified immediately.

11. GOVERNMENT SOURCE INSPECTION: Government source inspection is required prior to shipment from Contractor's facility. Upon receipt of this order, promptly notify the Government representative who normally services Contractor's plant so that appropriate planning for Government inspection can be accomplished.

12. ACCEPTANCE AT DESTINATION: All articles delivered under this Purchase Order/Sub-Contract are subject to final acceptance at destination. Failure to comply fully with all requirements indicated on this Purchase Order/Sub-Contract may be cause for rejection of shipments and delay payment of Contractor's invoice.

13. MATERIAL AND PROCESS CONFORMANCE: The Contractor shall submit with each shipment a certificate signed by an Authorized Representative of the Contractor's Quality Department. The certificate shall state that the materials furnished to us are in conformance with applicable requirements of the contract, Purchase Order, drawings and specifications and that supporting documentation, to include inspection/test reports, are on file and available to the buyer or his Customer Representatives upon request. Certification shall include name of manufacturer for materials being supplied, quantity shipped and contract or Purchase Order number.

14. PHYSICAL AND CHEMICAL TEST REPORTS: A copy of actual Physical and/or chemical test reports for each lot, batch or heat are required with each delivery of the material covered by this Purchase Order. These reports shall be validated and signed by an Authorized Representative of the Contractor's Quality Department.

15. INSPECTION REPORTS: Inspection Reports are required with delivery of the material covered by this Purchase Order/Sub-Contract. These reports shall include dimensional data for all characteristics and reference the part number, revision level, serial number (if required) and Purchase Order/Sub-Contract number.

- a. Contractor shall record actuals for all characteristics utilizing the enclosed Detailed Inspection Procedure (DIP). The DIP shall accompany each delivery.

16. TEST REPORTS: Functional and/or qualification test results listing all parameters tested and actual readings taken during these test are required with the delivery of the material covered by this Purchase Order/Sub-Contract. These reports shall reference the part number, revision level, serial number (if required) and Purchase Order/Sub-Contract number.

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- 17. WELDING PROCEDURES:** The Contractor shall prepare and maintain welding procedures in accordance with the drawings and/or Purchase Order/Sub-Contract. The Contractor shall submit the initial version of these procedures for review and approval by the Buyer prior to commencement of fabrication of the First Article components, sub-assemblies, and assemblies.
- 18. MRB AUTHORITY:** MRB authority is hereby withheld. The Contractor must receive approval from the Buyer prior to disposition of nonconforming material or product purchased under this Purchase Order/Sub-Contract.
- a.** MRB authority is hereby granted as defined by the Buyer on the Purchase Order/Sub-Contract.
- 19. ESD:** All ESD sensitive items shall be handled, packaged and identified in accordance with MIL-STD-1686 and MIL-STD-129, or best commercial, as applicable.
- 20. SHELF-LIFE & MSDS:** Buyer's limited shelf-life materials shall be identified to indicate the start date, (date of manufacture or manufacturer's recommended start date) and the expiration date for the use of the controlled materials. Any special storage conditions shall be identified. MSDS sheets are required with each shipment.
- 21. REWORK/REPAIR:** The Contractor agrees to accept all cost, associated with rework, to include removal and replacement of the part, unless such work is necessary as a result of errant documentation supplied by the Buyer or an Engineering Change Proposal (ECP).
- 22. WARRANTY:** The Seller warrants that all items delivered under this Purchase Order/Sub-Contract shall be free from all defects in materials and workmanship and agrees to replace the item(s) if it fails from defects in material or workmanship within 18 months of acceptance by the Buyer.
- 23. BUY AMERICAN ACT:** FAR 25.102 is hereby imposed.
- (a) The Buy American Act requires that only domestic end products be acquired for public use, except articles, material, and supplies--
- (1) For use outside the United States;
 - (2) For which the cost would be unreasonable, as determined in accordance with 25.105;
 - (3) For which the agency head determines that domestic preference would be inconsistent with the public interest;
 - (4) That are not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities, of satisfactory quality (see 25.108); or
 - (5) Purchased specifically for commissary resale.
- (b.) Unless agency regulation prescribes otherwise-
- (1) The contracting officer may make a non availability determination under 25.102(a)(4) for an acquisition if--
 - (i) The acquisition was conducted by full and open competition;
 - (ii) The acquisition was synopsisized under 5.201; and,
 - (iii) No offer for a domestic end product was received; or
 - (2) The head of the contracting activity or designee may make a nonavailability determination under 25.102(a)(4) for any circumstance other than that specified in paragraph [h (b)(1) of this section.
- 24. STATISTICAL PROCESS CONTROL:** The Contractor must establish, document and maintain statistical techniques to control and verify process capability and product characteristics in the manufacture of the item(s) purchased under this Purchase Order/Sub-Contract. The Contractor upon request must make this data available

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for review.

- 25. GOVERNMENT PROPERTY:** The Contractor shall establish and maintain a program for the use, maintenance, repair, protection, and preservation of Government property in accordance with sound industrial practice and the applicable provisions of Federal Acquisition Regulation, Part 45.
- 26. SOLDERED ELECTRICAL AND ELECTRONIC ASSEMBLIES:** The contractor shall utilize and maintain proven electronic fabrication procedures and manufacturing processes for producing quality electronic product, which meet the requirement defined in IPC/EIA J-STD-001C for the indicated classification:
- a. CLASS 1 General Electronic Products
 - b. CLASS 2 Dedicated Service Electronic Products
 - c. CLASS 3 High Performance Electronic Products
- 27. WORKMANSHIP REQUIREMENTS FOR ELECTRICAL AND ELECTRONIC ASSEMBLIES:** The contractor shall maintain the requirements of standard IPC- A -610B, "Acceptability Requirements of Electronic Assemblies" for the indicated classification criteria:
- a. CLASS 1 General Electronic Products
 - b. CLASS 2 Dedicated Service Electronic Products
 - c. CLASS 3 High Performance Electronic Products